Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	11/13/2018 09:19 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	10/31/2018 01:04 PM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	72756	Expiration Date:	10/31/2019
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	124623	-1	6.92	124597	7.01
Blue	F	SSC	125000	122201	-3	8.97	123083	8.96
Blue	E	FITC	15492	15254	-2	8.12 (1)	356	25.43
Blue	D	PE	28736	28198	-2	7.78	620	20.67
Blue	B	PerCP-Cy5-5	41413	41205	-1	8.45	1135	26.50
Blue	A	PE-Cy7	31321	30966	-2	10.45	559	54.16
Red	C	APC	41673	41581	-1	4.86	1600	15.24
Red	A	APC-Cy7	29962	29363	-2	4.94	738	15.77
Violet	B	V450	8318	7975	-5	6.91 (2)	442	17.31
Violet	A	V500	34199	32938	-4	6.68	793	13.65

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	20244	7.29	628	15	N/A	N/A	Pass
Blue	F	SSC	55292	8.27	596	28	N/A	N/A	Pass
Blue	E	FITC	58	83.63	575	14	0.0125	205	Pass
Blue	D	PE	122	70.51	574	14	0.0935	320	Pass
Blue	B	PerCP-Cy5-5	205	63.39	684	17	0.0058	55	Pass
Blue	A	PE-Cy7	104	137.67	739	17	0.0071	25	Pass
Red	C	APC	361	31.24	611	10	0.0151	49	Pass
Red	A	APC-Cy7	181	34.59	585	9	0.0038	995	Pass
Violet	B	V450	65	76.69	481	4	0.0275	1652	Pass
Violet	A	V500	112	43.00	499	5	0.0141	815	Pass

(1) Bright Bead %Robust CV for Primary Channel, Detector E, for Blue Laser is greater than recommended value.
(2) Bright Bead %Robust CV for Primary Channel, Detector B, for Violet Laser is greater than recommended value.

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-32.64	-31.83	1.12
Blue	20.34	16.27 - 24.41	1.29	0.99 - 1.49	0.00	0.00	1.49
Red	17.25	13.60 - 20.40	N/A	N/A	28.94	29.78	1.21

Window Extension: 7.00
FSC Area Scaling Factor: 0.91

Threshold

Threshold (FSC): 11006

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.60
Spec.: 3.80 - 4.00

Comments